




Staurosporine
From Streptomyces sp.

packaging		Mfr. No
100 µg	PolyMicroTube	BP2541-100
500 µg	PolyMicroTube	BP2541-500
1 mg	PolyMicroTube	BP2541-1
C ₂₈ H ₂₆ N ₄ O ₃	H351	
CAS: 62996-74-1	P281	
MW: 466.5		
Assay		>=98%

Applications: Staurosporine is a potent protein kinase inhibitor useful for studies on protein phosphorylation in the regulation of cellular functions.
Recommended Storage: 4°C, protect from light.
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.


Streptomycin Sulfate
White to Light Yellow Powder

packaging		Mfr. No
50 g	PolyBottle	BP910-50
C ₄₂ H ₇₈ N ₁₄ O ₂₄ ·3H ₂ SO ₄	H317, H302, H334, H360FD	
CAS: 3810-74-0	P261, P280, P201,	
MW: 1457.4	P308+P313, P285	
EINECS: 223-286-0		

Loss on Drying (at 105°C)	<=5%
pH of a 20% solution	Inclusive between 4.5-7.0
Potency	Inclusive between 650-850µg/mg

Applications: Streptomycin Sulfate inhibits protein synthesis. It prevents microbial contamination in tissue culture applications and confers antibiotic resistance/sensitivity in molecular biology procedures.
Not for drug use.
Recommended Storage: 4°C


Tetracycline hydrochloride
Yellow Powder

packaging		Mfr. No
100 g	PolyBottle	BP912-100
C ₂₂ H ₂₄ N ₂ O ₈ ·HCl	H319, H361d	
CAS: 64-75-5	P281, P280,	
MW: 480.9	P305+P351+P338	

4-epianhydrotetracycline	<=2.0%
Heavy metals	<=0.005%
Loss on Drying (at 105°C)	<=2.0%
pH of a 1% solution	Inclusive between 1.8-2.8
Potency (Assay)	>900µg/mg
Specific rotation	Inclusive between -255 to -240 °

Applications: Tetracycline blocks protein synthesis and is used to select tetracycline-resistant recombinant plasmids.
Not for drug use.
Recommended Storage: RT

Vancomycin Hydrochloride Dry, White to Light Orange Powder

packaging		Mfr. No
1 g	Amber Glass	BP2958-1
C ₆₆ H ₇₅ Cl ₂ N ₆ O ₂₄ ·HCl	H319, H335, H315, H317	
CAS: 1404-93-9	P280, P261, P302+P352,	
MW: 1485.73	P305+P351+P338	
Vancocine Hydrochloride; Vancocin Hydrochloride		

Potency	>900 U/mg
Source	Streptomyces orientalis
Water (Karl Fischer)	<10%

Applications: Inhibits formation of peptidoglycan polymers of bacterial cell wall.
Recommended storage: <0°C

(-)-Nicotine Tartrate
White Solid

packaging		Mfr. No
250 mg	AmberGlass	BP2533-250
1 g	AmberGlass	BP2533-1
C ₁₀ H ₁₄ N ₂ ·2C ₄ H ₆ O ₆ ·2H ₂ O		
CAS: 65-31-6		
MW: 498.44		

Melting Point	85°-95°C
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Applications: (-)-Nicotine Tartrate is used in biochemical research applications.
Recommended Storage: RT
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

2'-Deoxyguanosine-5'-triphosphate trisodium salt dihydrate

packaging		Mfr. No
10 mg	AmberGlass	BP419-10
C ₁₀ H ₁₃ N ₅ O ₁₃ P ₃ Na ₃ ·2H ₂ O	EINECS: 219-887-2	
CAS: 2564-35-4		
MW: 609.03		
Molar Extinction Coefficient (253nm, phosphate buffer, pH 7.0)		>=13.100

Applications: The trisodium salt of dGTP is suitable for use in many molecular biology applications.
Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Adenosine 5'-Triphosphate Disodium Salt Trihydrate

packaging		Mfr. No
25 g	PolyBottle	BP413-25
C ₁₀ H ₁₄ N ₃ Na ₂ O ₁₃ P ₃ ·3H ₂ O		
CAS: 51963-61-2		
MW: 605.19		

Lead	<=0.002%
Solubility (5% in H ₂ O, 25°C)	Clear and haze-free

Applications: The disodium salt of ATP is suitable for use in many molecular biology applications.
Recommended Storage: Store below 0°C

Aphidicolin
White to Off-white Solid

packaging	Mfr. No
1 mg PolyMicroTube	BP615-1
C ₂₀ H ₃₄ O ₄ CAS: 38966-21-1 MW: 338.49	
Assay>=98% Carbon70.97% ±1% Hydrogen10.12% ±0.2% Melting Point226°-235°C Solubility (10mg in 1mℓ Methanol)To pass test	

Applications: This compound is a reversible inhibitor of eukaryotic nuclear DNA replication.
Isolated from Nigrospora orycae.
Recommended Storage: 4°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Calcium Ionophore A23187
Free Acid

packaging	Mfr. No
1 mg PolyMicroTube	BP595-1
5 mg PolyMicroTube	BP595-5
10 mg PolyMicroTube	BP595-10
C ₂₉ H ₃₇ N ₃ O ₆ CAS: 52665-69-7 MW: 523.63	
EINECS: 258-084-1	
Assay (TLC, Ethylacetate:toluene (1:1))>=98% Carbon66.52% ±1% Hydrogen-50.0° ±3°7.12% ±0.2% Melting Point186°-192°C Nitrogen8.02% ±0.2% Optical Rotation α _D ²⁵-50.0° ±3° Solubility (in DMSO, Ethylacetate, Methanol, and Chloroform)To pass test	

Applications: This widely used ionophore increases the permeability of biological membranes for bivalent cations.
Isolated from Streptomyces chartreusensis.
Recommended Storage: 4°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Citric Acid Anhydrous
Crystalline

packaging	Mfr. No
500 g PolyBottle	BP339-500
C ₆ H ₈ O ₇ CAS: 77-92-9 MW: 192.13 EINECS: 201-069-1	
H319 P264, P305+P351+P338, P337+P313, P280	
Assay>=99.5% Chloride (Cl)<=0.001% Insoluble matter<=0.005% Iron<=3ppm Lead<=2ppm OxalateTo pass test (about 0.05%) Phosphate (PO ₄)<=0.001% Residue after ignition<=0.02% Substances Carbonizable by H ₂ SO ₄ (Tartrates, etc.)To pass test Sulfur compounds (as SO ₄)<=0.002%	

Applications: Anhydrous citric acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

Coenzyme A Trilithium Salt Dihydrate
White Crystalline Powder

packaging	Mfr. No
25 mg AmberGlass	BP2510-25
50 mg AmberGlass	BP2510-50
100 mg AmberGlass	BP2510-100
250 mg AmberGlass	BP2510-250
1 g AmberGlass	BP2510-1
C ₂₁ H ₃₃ N ₇ O ₁₆ P ₃ SLi ₃ ·2H ₂ O CAS: 18439-24-2 MW: 821.4	
Assay>=96% OD250/OD260 (pH 2)0.80-0.89	

Applications: Coenzyme A is used in biochemical research applications.
Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Copper (II) Sulfate Pentahydrate
Crystalline (Blue)

packaging	Mfr. No
500 g AmberGlass	BP346-500
CuO ₄ S·5H ₂ O CAS: 7758-99-8 MW: 249.68	
P273, P301+P312, P302+P352, P280, P305+P351+P338	
H315, H410, H302, H319	
Assay98.0-102.0% Calcium (Ca)<=0.005% Chloride (Cl)<=0.001% Insoluble matter<=0.005% Iron<=0.003% Nickel<=0.005% Nitrogen Compounds (as N)<=0.002% Potassium<=0.01% Sodium<=0.02%	

Applications: Copper Sulfate is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT
DOT Class 9:Miscellaneous

Cyanocobalamin
Crystalline (Dark Red)

packaging	Mfr. No
1 g AmberGlass	BP862-1
C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P CAS: 68-19-9 MW: 1355.38	
Assay>=98%	

Applications: Cyanocobalamin is used as a supplement in cell culture and tissue culture media.
Not for human use.
Recommended Storage: -4°C

Cyclopiazonic Acid
White to Off-white Crystals

packaging	Mfr. No
5 mg PolyMicroTube	BP630-5
C ₂₀ H ₂₀ N ₂ O ₃ CAS: 18172-33-3 MW: 336.39	
P301+P310, P302+P352, P280, P312	
H301	
Assay (TLC-Methylene Chloride:Methanol (9:1))>=98.0% Carbon71.41% ±1% Hydrogen5.99% ±0.2% Maximum Absorbance (lambda Max.)221 and 281nm Nitrogen8.33% ±0.2% Solubility (10mg/mℓ in Methanol and Methylene Chloride)To pass test	

Applications: Inhibitor of Ca2+-ATPases.
Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.
UN 2811; DOT Class 6.1:Poison

D-(-)-Arabinose
White Powder

packaging	Mfr. No
25 g AmberGlass	BP2504-25
100 g AmberGlass	BP2504-100
1 kg AmberGlass	BP2504-1
C ₅ H ₁₀ O ₅ CAS: 28697-53-2 MW: 150.13	
Assay>=99% FTIRConforms to standard Melting Point153°-164°C Optical Rotation α _D ²⁵-97° to -105°	

Applications: D-(-)-Arabinose is a component used for culture media.
Recommended Storage: RT
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

D-Glycogen
Beef Liver, White to Straw-yellow Crystals

packaging	Mfr. No
5 g AmberGlass	BP676-5
(C ₆ H ₁₀ O ₅) _n CAS: 9005-79-2 EINECS: 9005-79-2	
Specific Rotation (c=0.25, H ₂ O)+175° ±10° TLCSingle spot	

Applications: Glycogen is used as a carrier in precipitating DNA or RNA in place of sonicated DNA or tRNA.
Recommended Storage: 4°C

D-(-)-Ribose
White to Off-white Powder

packaging	Mfr. No
25 g AmberGlass	BP696-25
C ₅ H ₁₀ O ₅ CAS: 50-69-1 MW: 150.13	
EINECS: 200-059-4	
Assay>=98% Specific Rotation α _D ²⁰-20° ±1° Melting Point88° ±2°C TLCSingle spot	

Applications: This sugar is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

D-(+)-Maltose Monohydrate
White to Off-white Powder

packaging	Mfr. No
500 g AmberGlass	BP684-500
C ₁₂ H ₂₂ O ₁₁ ·H ₂ O CAS: 6363-53-7 MW: 360.29	
Assay>=97% Specific Rotation α _D ²⁰+130° ±2° Melting Point119°-139°C TLCSingle spot	

Applications: Maltose is suitable for use in cell culture systems requiring sugar additives.
Recommended Storage: RT

D-(+)-Trehalose, Dihydrate
White Powder

packaging	Mfr. No
10 g PolyBottle	BP2687-10
25 g PolyBag	BP2687-25
100 g PolyBottle	BP2687-100
1 kg PolyBottle	BP2687-1
C ₁₂ H ₂₂ O ₁₁ ·2H ₂ O CAS: 6138-23-4 MW: 378.32	
H315 P302+P352	
Assay>=98% FTIRConforms to standard Loss on drying8.5-10.5%	

Applications: D-(+)-Trehalose is used in several biochemical techniques.
Recommended Storage: RT
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

D-(+)-Xylose
White to Off-white Powder

packaging	Mfr. No
250 g AmberGlass	BP708-250
C ₅ H ₁₀ O ₅ CAS: 58-86-6 MW: 150.13	
Assay>=98% Specific Rotation α _D ²⁰+20° ±1° TLCSingle spot	

Applications: D-(+)-Xylose is often used as a cell culture additive.
Recommended Storage: RT

Dacarbazine
Pale Yellow Powder

packaging	Mfr. No
100 mg AmberGlass	BP2513-100
250 mg AmberGlass	BP2513-250
1 g AmberGlass	BP2513-1
5 g AmberGlass	BP2513-5

C₆H₁₀N₆O
CAS: 4342-03-4
MW: 182.19

EINECS: 224-396-1

Applications: Dacarbazine is an alkylating agent used in cancer research. Antineoplastic.
Recommended Storage: 4° C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

D-Biotin

packaging	Mfr. No
1 g AmberGlass	BP232-1

C₁₀H₁₆N₂O₃S
CAS: 58-85-5
MW: 244.31

Applications: D-Biotin, which forms a stable complex with Avidin, is useful in the study of Avidin-Biotin interactions and in affinity chromatography. Not for human use.
Recommended Storage: -20°C

Dextrose Anhydrous
Crystalline Granules

Molecular Biology

packaging	Mfr. No
500 g AmberGlass	BP350-500
1 kg AmberGlass	BP350-1

C₆H₁₂O₆
CAS: 50-99-7
MW: 180.16

EINECS: 200-075-1

Applications: Dextrose is often used as a cell culture additive.
Recommended Storage: RT

DL-Thioctic Acid

packaging	Mfr. No
1 g AmberGlass	BP2682-1
5 g AmberGlass	BP2682-5
25 g AmberGlass	BP2682-25

C₈H₁₄O₂S₂
CAS: 1077-28-7
MW: 206.32
EINECS: 214-071-2
H302, H335, H319, H315

P261, P301+P312,
P302+P352, P280,
P305+P351+P338

Applications: DL-Thioctic Acid is a growth factor for many bacteria and protozoa; prosthetic group, coenzyme, or substrate in plants, microorganisms, and animal tissue.
Recommended Storage: RT

D-Mannitol
White to Off-white Powder

packaging	Mfr. No
500 g PolyBottle	BP686-500

C₆H₁₄O₆
CAS: 69-65-8
MW: 182.17

Assay >=98%
Specific Rotation α²⁰_D (c=8, HCl) +24° ±1°
Melting Point 165°-168°C
TLC Single spot

Applications: Mannitol is suitable for use in cell culture systems requiring sugar additives.
Recommended Storage: RT

D-Sucrose

Molecular Biology

packaging	Mfr. No
1 kg PolyBottle	BP220-1
2.5 kg PolyBottle	BP220-212
10 kg PolyPail	BP220-10

C₁₂H₂₂O₁₁
CAS: 57-50-1
MW: 342.29

EINECS: 200-334-9

Applications: D-Sucrose is suitable for the preparation of density gradients used in purification of proteins and nucleic acids by ultracentrifugation.
Recommended Storage: RT

Folic Acid
Yellow to Orange Powder

packaging	Mfr. No
5 g AmberGlass	BP2519-5
10 g AmberGlass	BP2519-10
25 g AmberGlass	BP2519-25
100 g AmberGlass	BP2519-100

C₁₉H₁₉N₇O₆
CAS: 59-30-3
MW: 441.4

Applications: Folic Acid is used in cell culture.
Recommended Storage: RT, protect from light

Upsilon -L-Glutamyl-p-Nitroanilide, Hydrochloride

packaging	Mfr. No
500 mg AmberGlass	BP2656-500
1 g AmberGlass	BP2656-1
5 g AmberGlass	BP2656-5
10 g AmberGlass	BP2656-10
25 g AmberGlass	BP2656-25

C₁₁H₁₃N₃O₅.ClH
CAS: 67953-08-6
MW: 303.7

Lambda max (ethanol) 317nm ±5nm
Melting Point 210°-222°C
Optical Rotation α²⁵_D +30° ±5°

Applications: Upsilon -L-Glutamyl-p-Nitroanilide, Hydrochloride is a water soluble form of GPNA suitable for use as substrate for Upsilon -glutamyl transpeptidase.
Recommended Storage: 0° to 5°C

Glutathione Reduced
White Crystalline Powder

packaging	Mfr. No
1 g AmberGlass	BP2521-1
5 g AmberGlass	BP2521-5
10 g AmberGlass	BP2521-10
25 g AmberGlass	BP2521-25
50 g AmberGlass	BP2521-50
100 g AmberGlass	BP2521-100

C₁₀H₁₇N₃O₆S
CAS: 70-18-8
MW: 307.32

EINECS: 200-725-4

Arsenic <=1.0%
Assay >=98.%
Heavy metals <=10 ppm
Purity >=98.0
Residue after ignition <=0.01%
Specific Rotation (at 20°C) -16° ±5°
Sulfate <=0.048
Trichloroethylene <=0.020%

Applications: Glutathione is a useful tripeptide involved in many aspects of metabolism, including transport of Upsilon -glutamyl amino acids and reductive cleavage of disulfide bonds.
Recommended Storage: 4°C

Glycyl-L-Glutamic Acid
White Fluffy Powder

packaging	Mfr. No
100 mg AmberGlass	BP2522-100
500 mg AmberGlass	BP2522-500
1 g AmberGlass	BP2522-1

C₇H₁₂N₂O₅
CAS: 7412-78-4
MW: 204.18

EINECS: 231-019-4

Applications: Glycyl-L-Glutamic Acid is used in biochemical research applications.
Recommended Storage: 0°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Hematoxylin Trihydrate
Reddish-tan Powder

packaging	Mfr. No
5 g AmberGlass	BP2523-5
25 g AmberGlass	BP2523-25
100 g AmberGlass	BP2523-100

C₁₆H₁₄O₆
CAS: 517-28-2
MW: 302.27

EINECS: 208-237-3

Loss on drying Report
UV/VIS lambda max (MeOH) 290-292nm

Applications: Hematoxylin Trihydrate is used mainly as a stain in microscopy.
Recommended Storage: RT

Isopropyl-β-D-thiogalactopyranoside
Dioxane-free

packaging	Mfr. No
1 g AmberGlass	BP1755-1
10 g AmberGlass	BP1755-10

C₉H₁₈O₅S
CAS: 367-93-1
MW: 238.31

EINECS: 206-703-0

Applications: Because IPTG induces β-Galactosidase activity in many bacteria, it is used to maximize the expression of cloned genes under control of the lac operon.
Recommended Storage: 4°C

Isopropyl-β-D-thiogalactopyranoside
Dioxane-free

packaging	Mfr. No
100 g AmberGlass	BP1755-100

CAS: 367-93-1
EINECS: 206-703-0

Appearance White powder or crystals
Assay (TLC) >99.0%
Specific Rotation α²⁰_D -31.5°±3.0°
Melting Point 110° to 114°C
NMR Analysis Dioxane-free

Applications: Because IPTG induces β-Galactosidase activity in many bacteria, it is used to maximize the expression of cloned genes under control of the lac operon.
Recommended Storage: 4°C

Isopropyl-β-D-thiogalactopyranoside
White Powder, Dioxane Crystallized

packaging		Mfr. No
1 g	AmberGlass	BP1620-1
10 g	AmberGlass	BP1620-10
C ₉ H ₁₈ O ₅ S	EUH019, EUH066	
CAS: 367-93-1	P280, P305+P351+P338, P302+P350, P233	
MW: 238.3		
EINECS: 206-703-0		
H351, H319, H335,		
Optical Absorbance of a 5% Aqueous Solution at 300nm		<=0.13
Optical Absorbance of a 5% Aqueous Solution at 400nm		<=0.06
Solubility (5% in H ₂ O)		To pass test
Specific rotation		-27.0° ±1.0°
TLC		Single spot

Applications: Because IPTG induces β-Galactosidase activity in many bacteria, it is used to maximize the expression of cloned genes under the control of the lac operon.
Recommended Storage: -20°C

Kinetin (6-Furfurylaminopurine)
Off-white to Tan Powder

packaging		Mfr. No
1 g	AmberGlass	BP942-1
C ₁₀ H ₉ N ₅ O	P261, P301+P312, P302+P352, P280, P305+P351+P338	
CAS: 525-79-1		
MW: 215.21		
EINECS: 208-382-2		
H315, H302, H335, H319		
Melting Point		265° ±3°C
TLC		Single spot
UV Extinction in 0.1N NaOH (=272nm)		17.000-18.000

Applications: Kinetin is a cytokine often used in plant cell culture research.
Recommended Storage: RT

L-Alanine
White Crystals or Crystalline Powder

packaging		Mfr. No
100 g	AmberGlass	BP369-100
C ₃ H ₇ NO ₂	EINECS: 200-273-8	
CAS: 56-41-7		
MW: 89.09		
Ammonium (NH ₄)		
Arsenic		
Assay		
Specific Rotation α ²⁰ _D		
Heavy Metals (Pb)		
Loss on Drying (at 105°C)		
Other Amino Acids		
Residue on Ignition (sulfated)		
State of Solution		
Ammonium (NH ₄)		<=0.02%
Arsenic		<=1ppm
Assay		98.5-101.0%

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Arginine, Free Base
White Powder

packaging		Mfr. No
100 g	PolyBottle	BP2505-100
500 g	PolyBottle	BP2505-500
1 kg	PolyBottle	BP2505-1
C ₆ H ₁₄ N ₄ O ₂	H319	
CAS: 74-79-3	P280, P305+P351+P338	
MW: 174.2		
EINECS: 200-811-1		
Assay		
FTIR		>=99%
Moisture		Conforms to standard
Optical Rotation (c=1.6, 6N HCl)		<=0.3%
		+26.3° to +27.7°

Applications: L-Arginine is an essential amino acid used in biochemical research applications.
Recommended Storage: RT

L-Arginine
White Crystals or Crystalline Powder

packaging		Mfr. No
100 g	AmberGlass	BP370-100
C ₆ H ₁₄ N ₄ O ₂	H319	
CAS: 74-79-3	P280, P305+P351+P338	
MW: 174.2		
EINECS: 200-811-1		
Ammonium (NH ₄)		
Arsenic		<=0.02%
Assay		<=1ppm
Specific Rotation α ²⁰ _D		98.5-101.0%
Heavy Metals (Pb)		+26.9° to +27.9°
Loss on Drying (at 105°C)		<=10ppm
Other Amino Acids		<=0.5%
Residue on Ignition (sulfated)		Chromatographically not detectable
State of Solution		<=0.10%
		>=98.0% transmittance

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Arginine Hydrochloride
White Crystals or Crystalline Powder

packaging		Mfr. No
100 g	AmberGlass	BP372-100
C ₆ H ₁₄ N ₄ O ₂ ·HCl	EINECS: 214-275-1	
CAS: 1119-34-2		
MW: 210.67		
Ammonium (NH ₄)		
Arsenic		
Assay		
Chloride (Cl)		
Specific Rotation α ²⁰ _D		
Heavy Metals (Pb)		
Loss on Drying (at 105°C)		
Other Amino Acids		
Residue on Ignition (sulfated)		
State of Solution		
Ammonium (NH ₄)		<=0.02%
Arsenic		<=1ppm
Assay		98.5-101%

Applications: The hydrochloride salt of L-Arginine is suitable for use in tissue culture systems requiring additives and has many of the same applications as L-Arginine.
Recommended Storage: RT

L-Ascorbic Acid
White Crystalline Powder

packaging		Mfr. No
500 g	AmberGlass	BP351-500
C ₆ H ₈ O ₆	EINECS: 200-066-2	
CAS: 50-81-7		
MW: 176.13		
Assay		
Heavy Metals (Pb)		
Iron		>=99.0%
Residue after ignition		<=0.002%
Specific rotation		<=0.001%
		<=0.1%
		+20.5° to +21.5°

Applications: Ascorbic Acid is suitable for use in tissue culture systems requiring additives.
Not for human use.
Recommended Storage: RT

L-Asparagine Monohydrate
White Crystals or Crystalline Powder

packaging		Mfr. No
100 g	AmberGlass	BP373-100
C ₅ H ₈ N ₂ O ₃ ·H ₂ O		
CAS: 5794-13-8		
MW: 150.14		
Ammonium (NH ₄)		
Arsenic		
Assay		
Specific Rotation α ²⁰ _D		
Heavy Metals (Pb)		
Loss on Drying (at 130°C)		
Other Amino Acids		
Residue on Ignition (sulfated)		
State of Solution		
Ammonium (NH ₄)		<=0.1%
Arsenic		<=1ppm
Assay		98.5-101.0%

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Aspartic Acid
White Crystals or Crystalline Powder

packaging		Mfr. No
100 g	AmberGlass	BP374-100
C ₄ H ₇ NO ₄	EINECS: 200-291-6	
CAS: 56-84-8		
MW: 133.1		
Ammonium (NH ₄)		
Arsenic		
Assay		
Specific Rotation α ²⁰ _D		
Heavy Metals (Pb)		
Loss on drying		
Other Amino Acids		
Residue on Ignition (sulfated)		
State of Solution		
Ammonium (NH ₄)		<=0.02%
Arsenic		<=1ppm
Assay		98.5-100.5%

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Cysteine Hydrochloride Monohydrate
White Crystals

packaging		Mfr. No
100 g	AmberGlass	BP376-100
C ₃ H ₇ NO ₂ ·S·HCl·H ₂ O	H315, H319, H335	
CAS: 7048-04-6	P280, P305+P351+P338	
MW: 175.64		
Ammonium (NH ₄)		
Arsenic (as As ₂ O ₃)		
Assay		<=0.02%
Chloride (Cl)		<=1ppm
Specific Rotation α ²⁰ _D (c=8, HCl)		98.5-101%
Heavy Metals (Pb)		19.89-20.29%
Loss on drying		<=10ppm
Other Amino Acids		8.5-12%
Residue on Ignition (sulfated)		Chromatographically not detectable
State of Solution		<=0.10%
		>=98.0% transmittance

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Cystine
White Crystals or Crystalline Powder

packaging		Mfr. No
100 g	AmberGlass	BP377-100
C ₆ H ₁₂ N ₂ O ₄ S ₂	P261, P301+P312, P302+P352, P280, P305+P351+P338	
CAS: 56-89-3		
MW: 240.3		
EINECS: 200-296-3		
H315, H319, H302, H335		
Ammonium (NH ₄)		<=0.02%
Arsenic		<=1ppm
Assay		98.5-101.0%
Specific Rotation α ²⁰ _D		-215° to -225°
Heavy Metals (Pb)		<=10ppm
Loss on drying		<=0.30%
Other Amino Acids		Chromatographically not detectable
Residue on Ignition (sulfated)		<=0.10%
State of Solution		>=98.0% transmittance

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Glutamic Acid
White Crystals or Crystalline Powder

packaging		Mfr. No
100 g	AmberGlass	BP378-100
C ₅ H ₉ NO ₄	EINECS: 200-293-7	
CAS: 56-86-0		
MW: 147.13		
Ammonium (NH ₄)		
Arsenic		
Assay		
Specific Rotation α ²⁰ _D		
Heavy Metals (Pb)		
Loss on Drying (at 105°C)		
Other Amino Acids		
Residue on Ignition (sulfated)		
State of Solution		
Ammonium (NH ₄)		<=0.02%
Arsenic		<=1ppm
Assay		99.0-100.5%

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT



L-Glutamine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP379-100	
C ₅ H ₁₀ N ₂ O ₃	EINECS: 200-292-1	
CAS: 56-85-9		
MW: 146.15		
Ammonium (NH ₄)	<=0.1%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Specific Rotation α ²⁰ _D	+6.3° to +7.3°	
Heavy Metals (Pb)	<=10ppm	
Loss on drying	<=0.20%	
Other Amino Acids	<=1.0%	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=95.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Histidine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP382-100	
C ₆ H ₉ N ₃ O ₂	EINECS: 200-745-3	
CAS: 71-00-1		
MW: 155.16		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Specific Rotation α ²⁰ _D	+12.5° ±0.5°	
Heavy Metals (Pb)	<=10ppm	
Loss on drying	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Histidine Hydrochloride Monohydrate		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP383-100	
C ₆ H ₉ N ₃ O ₂ .HCl.H ₂ O		
CAS: 5934-29-2		
MW: 209.64		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Chloride (Cl)	16.66-17.08%	
Specific Rotation α ²⁰ _D	+8.9° to +9.5° (+12.0° to +12.8° calc. as free base)	
Heavy Metals (Pb)	<=10ppm	
Loss on drying	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: L-Histidine Hydrochloride is suitable for use in tissue culture systems or as an amino acid standard.
Recommended Storage: RT

L-Isoleucine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP384-100	
C ₆ H ₁₃ NO ₂		
CAS: 73-32-5		
MW: 131.17		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Specific Rotation α ²⁰ _D	+39.5° to +41.5°	
Heavy Metals (Pb)	<=10ppm	
Loss on drying	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Leucine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP385-100	
C ₆ H ₁₃ NO ₂		
CAS: 61-90-5		
MW: 131.17		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Specific Rotation α ²⁰ _D	+14.9° to +16.1°	
Heavy Metals (Pb)	<=10ppm	
Loss on Drying (at 105°C)	<=0.2%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Lysine Hydrochloride		
White Powder		
packaging	Mfr. No	
100 g AmberGlass	BP386-100	
C ₆ H ₁₄ N ₂ O ₂ .HCl	EINECS: 211-519-9	
CAS: 657-27-2		
MW: 182.65		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-100.5%	
Chloride (Cl)	19.12-19.51%	
Specific Rotation α ²⁰ _D	+20.7° to +21.5° (+25.9° to 26.9° calc. as free base)	
Heavy Metals (Pb)	<=10ppm	
Loss on Drying (at 105°C)	<=0.40%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Methionine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP388-100	
C ₃ H ₁₁ NO ₂ S	EINECS: 200-562-9	
CAS: 63-68-3		
MW: 149.21		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1 ppm	
Assay	98.5-100.5%	
Specific Rotation α ²⁰ _D	+23.0° to +24.5°	
Heavy Metals (Pb)	<=10 ppm	
Loss on Drying (at 105°C)	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Ornithine Hydrochloride		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP389-100	
C ₃ H ₁₂ N ₂ O ₂ .HCl	EINECS: 221-678-6	
CAS: 3184-13-2		
MW: 168.62		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Specific Rotation α ²⁰ _D	+23.0° to +25.0° (+29.3° to +31.9° calc. as free base)	
Heavy Metals (Pb)	<=10ppm	
Loss on Drying (at 105°C)	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Phenylalanine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP391-100	
C ₉ H ₁₁ NO ₂	EINECS: 200-568-1	
CAS: 63-91-2		
MW: 165.19		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-100.5%	
Specific Rotation α ²⁰ _D	-33.5° to -35.0°	
Heavy Metals (Pb)	<=10ppm	
Loss on Drying (at 105°C)	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Proline		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP392-100	
C ₅ H ₉ NO ₂	EINECS: 205-702-2	
CAS: 147-85-3		
MW: 115.13		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Specific Rotation α ²⁰ _D	-84.5° to -86.0°	
Heavy Metals (Pb)	<=10ppm	
Loss on Drying (at 105°C)	<=0.30%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Serine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP393-100	
C ₃ H ₇ NO ₃	EINECS: 200-274-3	
CAS: 56-45-1		
MW: 105.09		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-101.0%	
Specific Rotation α ²⁰ _D	+14.4° to +15.5°	
Heavy Metals (Pb)	<=10ppm	
Loss on Drying (at 105°C)	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Threonine		
White Crystals or Crystalline Powder		
packaging	Mfr. No	
100 g AmberGlass	BP394-100	
C ₄ H ₉ NO ₃		
CAS: 72-19-5		
MW: 119.12		
Ammonium (NH ₄)	<=0.02%	
Arsenic	<=1ppm	
Assay	98.5-100.5%	
Specific Rotation α ²⁰ _D	-27.6° to -29.0°	
Heavy Metals (Pb)	<=10ppm	
Loss on Drying (at 105°C)	<=0.20%	
Other Amino Acids	Chromatographically not detectable	
Residue on Ignition (sulfated)	<=0.10%	
State of Solution	>=98.0% transmittance	

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Tryptophan
White Crystals or Crystalline Powder

packaging	Mfr. No
100 g AmberGlass	BP395-100
C ₁₁ H ₁₂ N ₂ O ₂ CAS: 73-22-3 MW: 204.23	
Ammonium (NH ₄)	<=0.02%
Arsenic	<=1ppm
Assay	98.5-100.5%
Specific Rotation α _D ²⁰	-30° to -33°
Heavy Metals (Pb)	<=10ppm
Loss on Drying (at 105°C)	<=0.20%
Other Amino Acids	Chromatographically not detectable
Residue on Ignition (sulfated)	<=0.10%
State of Solution	>=95.0% transmittance

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Tyrosine
White Crystals or Crystalline Powder

packaging	Mfr. No
100 g AmberGlass	BP396-100
C ₉ H ₁₁ NO ₃ CAS: 60-18-4 MW: 181.19 H335, H319, H315	
P261, P302+P352, P280, P305+P351+P338	
Ammonium (NH ₄)	<=0.02%
Arsenic	<=1ppm
Assay	98.5-100.5%
Specific Rotation α _D ²⁰	-11.3° to -12.1°
Heavy Metals (Pb)	<=10ppm
Loss on drying	<=0.20%
Other Amino Acids	Chromatographically not detectable
Residue on Ignition (sulfated)	<=0.10%
State of Solution	>=95.0% transmittance

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

L-Valine
White Crystals or Crystalline Powder

packaging	Mfr. No
100 g AmberGlass	BP397-100
C ₆ H ₁₁ NO ₂ CAS: 72-18-4 MW: 117.15	
Ammonium (NH ₄)	<=0.02%
Arsenic	<=1ppm
Assay	98.5-100.5%
Specific Rotation α _D ²⁰	+27.6° to +29.0°
Heavy Metals (Pb)	<=10ppm
Loss on Drying (at 105°C)	<=0.20%
Other Amino Acids	Chromatographically not detectable
Residue on Ignition (sulfated)	<=0.10%
State of Solution	>=98.0% transmittance

Applications: This amino acid is suitable for use in tissue culture systems requiring additives.
Recommended Storage: RT

Lymphocyte Separation Medium

packaging	Mfr. No
500 mℓ PolyBottles	BP2663-500

Applications: LSM is formulated for isolation of mononuclear cells from defibrinated or heparinized whole human blood. One-step centrifugation permits separation of mononuclear lymphocytes from erythrocytes, polynuclear lymphocytes and most platelets. LSM is a sterile-filtered solution of a sucrose polymer and diatrizoate salts at a specific gravity of 1.077-1.080 g/mℓ at 20°C.
Recommended Storage: 0° to 5°C

Methotrexate
Yellow Powder

packaging	Mfr. No
10 mg AmberGlass	BP2665-10
100 mg AmberGlass	BP2665-100
C ₂₀ H ₂₂ N ₈ O ₅ ·2H ₂ O CAS: 59-05-2 MW: 490.47 H315, H319, H335 P281, P305+P351+P338, P308+P313	
H340, H301, H360FD,	
Chromatographic Purity	Pass test
Moisture	<12%
Organic Volatile Impurities	Pass test
Purity	>98%
Residue after ignition	<0.1%
Specific rotation	+19° to +24°

Applications: Methotrexate is a folic acid antagonist.
Recommended Storage: 0°C
UN 2811; DOT Class 6.1:Poison

Methyl α-D-Mannopyranoside
White Crystalline Powder

packaging	Mfr. No
10 g AmberGlass	BP2530-10
25 g AmberGlass	BP2530-25
100 g AmberGlass	BP2530-100
500 g AmberGlass	BP2530-500
C ₇ H ₁₄ O ₆ CAS: 617-04-9 MW: 194.18	
Assay	>=99%
FTIR	Conforms to standard
Loss on drying	<0.5%
Melting Point	187-197°C
Optical Rotation α _D ²⁵	+76° to +85°

Applications: Methyl α-D-Mannopyranoside is used in biochemical research applications.
Recommended Storage: RT
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Nitro Blue Tetrazolium

packaging	Mfr. No
1 g AmberGlass	BP108-1
C ₄₀ H ₃₀ Cl ₂ N ₁₀ O ₆ CAS: 298-83-9 MW: 817.65 EINECS: 206-067-4	
H319, H335, H315, H302 P312, P270, P264, P261, P280, P305+P351+P338	
E1 _{1cm}	>=650 g-1cm-1 min
Lambda Max.	260nm±2nm
Solubility	To pass test

Applications: Used in conjunction with BCIP as a substrate for acid and alkaline phosphatases.
Recommended storage: 4 C

Nitrilotriacetic Acid
White Powder

packaging	Mfr. No
100 g PolyBottle	BP2670-100
500 g PolyBottle	BP2670-500
1 kg PolyBottle	BP2670-1
C ₆ H ₉ NO ₆ CAS: 139-13-9 MW: 191.14 EINECS: 205-355-7 H319, H302, H315, H351	
P281, P301+P312, P302+P352, P280, P305+P351+P338	
Purity	>=98%

Applications: Nitrilotriacetic Acid is a chelating and sequestering agent. A builder in synthetic detergents.
Recommended Storage: RT

o-Phenylenediamine
Tan to Brown Solid

packaging	Mfr. No
50 g AmberGlass	BP2537-50
250 g AmberGlass	BP2537-250
1 kg AmberGlass	BP2537-1
C ₆ H ₈ N ₂ CAS: 95-54-5 MW: 108.14	
EINECS: 202-430-6	
FTIR	Conforms to standard
Melting Point	Report

Recommended Storage: RT
UN 1673; DOT Class 6.1:Poison
Free Base

Phosphate Buffered Saline
10X Solution

packaging	Mfr. No
500 mℓ PolyBottle	BP399-500
1 ℓ PolyBottle	BP399-1
4 ℓ PolyPac*	BP399-4
20 ℓ PolyPac*	BP399-20

Chloride Concentration of a 1X Solution 0.140 ±0.004 moles/ℓ
Conductivity of a 1X Solution 14.000 to 17.800μmhos
DNase Not detected
pH of 10X solution (at 25°C) 6.7-6.9
pH of 1X solution (at 25°C) 7.3-7.5
Protease Not detected
RNase Not detected

Applications: A concentrated, standard phosphate buffer solution.
Components: 1.37M Sodium Chloride, 0.027M Potassium Chloride, and 0.119M Phosphate Buffer [7647-14-5 (Sodium Chloride)] ; [7447-40-7 (Potassium Chloride)] ; [7558-79-4 (Sodium Phosphate Dibasic)] ; [7778-77-0 (Potassium Phosphate Monobasic)]
Recommended Storage: RT

Phosphate Buffered Saline
1X Solution

packaging	Mfr. No
4 ℓ PolyPac*	BP2438-4
20 ℓ PolyPac*	BP2438-20

Chloride Concentration of a 1X Solution 0.140 ±0.004 moles/ℓ
Conductivity of a 1X Solution 14.000 to 17.800μmhos/cm
DNase Not detected
pH of 1X solution (at 25°C) 7.3-7.5
Protease Not detected
RNase Not detected

Applications: A standard phosphate buffer used in many biomolecular procedures.
Components:0.137M Sodium Chloride, 0.0027M Potassium Chloride, and 0.0119M Phosphates.
[7647-14-5 (Sodium Chloride)] ; [7447-40-7 (Potassium Chloride)] ; [7558-79-4 (Sodium Phosphate Dibasic)] ; [7778-77-0 (Potassium Phosphate Monobasic)]
Recommended Storage: RT
Filtered through a 0.2-micron filter.

Phorbol 12-Myristate 13-Acetate
Clear or Whitish Film

packaging	Mfr. No
1 mg GlassAmpule	BP685-1
5 mg GlassAmpule	BP685-5
10 mg GlassAmpule	BP685-10

C₃₆H₅₆O₈
CAS: 16561-29-8
MW: 616.84
H315, H312
P302+P352, P280

Assay (HPLC)	>=99.0%
NMR	Identical to standard reference
Solubility (in DMSO, Methanol, Ethanol, Acetone, Ether, and DMF)	To pass test

Applications: PMA is an activator of Protein Kinase C; it is a skin irritant and mouse skin tumor promoter.
Film adheres to inside of vial.
Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Pleiotrophin Human, Recombinant		
packaging	Mfr. No	
50 µg PolyMicroTube	BP2536-50	
Assay	>=97%	
description	White Lyophilized Powder	


Applications: Pleiotrophin is a biochemical that enhances neurite outgrowth of cerebral cortical neurons.
Sf 21 Expressed.
Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Polyethylene Glycol 8000

packaging	Mfr. No	
100 g AmberGlass	BP233-100	
1 kg PolyBottle	BP233-1	
H(OCH ₂ CH ₂)nOH CAS: 25322-68-3 MW: 7000-8000		
description	White powder	
Identification	Pass test	

Applications: PEG 8000 is suitable as a medium for the fusion of mammalian cells. It is also used to precipitate bacteriophage from lysed cell supernatants.
Recommended Storage: RT

Pyridoxine Hydrochloride
White Powder

packaging	Mfr. No	
10 g AmberGlass	BP2677-10	
50 g AmberGlass	BP2677-50	
100 g AmberGlass	BP2677-100	
C ₆ H ₁₁ NO ₃ .HCl	P261, P302+P352, P280, P305+P351+P338	
CAS: 58-56-0		
MW: 205.64		
H335, H315, H319		
Chloride Content	16.9-17.6 on dried basis	
FTIR	Conforms to standard	
Heavy Metals (Pb)	<=0.003%	
Loss on drying	<=0.5%	
Melting Point	202°-214°C	
pH (10% aqueous)	2.0-4.0	
Purity	>=98%	
Residue on Ignition (sulfated)	<=0.1%	

Applications: Pyridoxine HCl is used as a vitamin (enzyme cofactor).
Recommended Storage: RT, protect from light.

Riboflavin
Fine, Orange-yellow Crystals


packaging	Mfr. No	Electrophoresis
50 g AmberGlass	BP167-50	
C ₁₇ H ₂₆ N ₄ O ₆ CAS: 83-88-5 MW: 376.36		
EINECS: 201-507-1		
Assay (by UV-VIS)	>=95%	
Electrophoresis	To pass test	

Applications: Riboflavin is a photoinitiator of acrylamide/bis-acrylamide polymerization.
Not for human use.
Recommended Storage: RT

Sodium Oxalate White Crystals or Powder		
packaging	Mfr. No	
500 g PolyBottle	BP353-500	
C ₂ Na ₂ O ₄ CAS: 62-76-0 MW: 134		
Ammonium (NH ₄)	<=0.002%	
Assay	>=99.0%	
Chloride (Cl)	<=0.002%	
Heavy Metals (Pb)	<=0.002%	
Insoluble matter	<=0.005%	
Iron	<=0.001%	
Loss on Drying (at 105°C)	<=0.05%	
Neutrality	To pass test	
Potassium	<=0.005%	
Substances Darkened by Hot H ₂ SO ₄	To pass test	
Sulfate (SO ₄)	<=0.002%	

Applications: This sodium salt is used in buffers for molecular biology and cell culture applications.
Recommended Storage: RT
UN 2811; DOT Class 6.1:Poison

Sodium Pyruvate
White Powder

packaging	Mfr. No	
100 g AmberGlass	BP356-100	
C ₃ H ₃ NaO ₃	H319, H315 P302+P352, P280, P305+P351+P338	
CAS: 113-24-6		
MW: 110.04		
EINECS: 204-024-4		
Assay (by titration)	>=99%	
Free Acid (as Pyruvic Acid)	<=1.0%	
Solubility (6g/100mℓ H ₂ O)	Clear, haze-free	

Applications: This sodium salt is used in buffers for molecular biology and cell culture applications.
Recommended Storage: RT

Sodium Sulfate Anhydrous
White Granules

packaging	Mfr. No
500 g AmberGlass	BP354-500
Na ₂ O ₄ S CAS: 7757-82-6 MW: 142.04	

Assay	>=99.0%	
Calcium (Ca)	<=0.01%	
Chloride (Cl)	<=0.001%	
Heavy Metals (Pb)	<=5ppm	
Insoluble matter	<=0.01%	
Iron	<=0.001%	
Loss on ignition	<=0.5%	
Magnesium (Mg)	<=0.005%	
Nitrogen Compounds (as N)	<=5ppm	
pH of 5% Solution (at 25°C)	5.2-9.2	
Phosphate (PO ₄)	<=0.001%	
Potassium	<=0.01%	

Applications: This sodium salt is used in buffers for molecular biology and cell culture applications.
Recommended Storage: RT

Sodium Sulfite Anhydrous White Crystals or Crystalline Powder		
packaging	Mfr. No	
500 g AmberGlass	BP355-500	
Na ₂ O ₃ S CAS: 7757-83-7 MW: 126.04		
Assay	>=98.0%	
Chloride (Cl)	<=0.02%	
Free Acid	To pass test	
Heavy Metals (Pb)	<=0.001%	
Insoluble matter	<=0.005%	
Iron	<=0.001%	
Phosphate (PO ₄)	<=5ppm	
Titrateable Free Base	<=0.03mEq/g	


Applications: This sodium salt is used in buffers for molecular biology and cell culture applications.
Recommended Storage: RT

Sodium Tartrate Dihydrate
Colorless Crystals


packaging	Mfr. No	
500 g AmberGlass	BP352-500	
C ₄ H ₄ Na ₂ O ₆ ·2H ₂ O CAS: 6106-24-7 MW: 230.08		
Ammonium (NH ₄)	<=0.003%	
Assay	99.0-101.0%	
Calcium (Ca)	<=0.01%	
Chloride (Cl)	<=0.005%	
Heavy Metals (Pb)	<=0.001%	
Insoluble matter	<=0.005%	
Iron	<=0.001%	
Loss on Drying (at 150°C)	15.61-15.71%	
pH of 5% Solution (at 25°C)	7.0 to 9.0	
Phosphate (PO ₄)	<=5ppm	
Sulfate (SO ₄)	<=0.005%	

Applications: This sodium salt is used in buffers for molecular biology and cell culture applications.
Recommended Storage: RT

Succinic Acid
White Crystals




packaging	Mfr. No	
500 g AmberGlass	BP336-500	
C ₄ H ₆ O ₄	H335, H319, H315 P261, P302+P352, P280, P305+P351+P338	
CAS: 110-15-6		
MW: 118.09		
EINECS: 203-740-4		
Arsenic	<=0.0003%	
Ash	<=0.025%	
Assay	>=99.5%	
Heavy Metals (Pb)	<=0.001%	
Melting Range	185°-190°C	

Applications: Succinic Acid is used in the preparation of cell culture and tissue culture media.
Recommended Storage: RT

Thiamine Hydrochloride White Powder		
packaging	Mfr. No	
100 g AmberGlass	BP892-100	
C ₁₂ H ₁₇ ClN ₄ OS.HCl	H335, H319, H315 P261, P302+P352, P280, P305+P351+P338	
CAS: 67-03-8		
MW: 337.26		
EINECS: 200-641-8		
Assay	>=98%	
Nitrate	None detected	
Residue after evaporation	<=0.2%	
Water	<=6.0%	

Applications: This vitamin is suitable for use in systems requiring additives.
Not for human use.
Recommended Storage: RT

Thimerosal
White Powder

packaging	Mfr. No	
10 g AmberGlass	BP2542-10	
25 g AmberGlass	BP2542-25	
100 g AmberGlass	BP2542-100	
500 g AmberGlass	BP2542-500	
C ₉ H ₉ HgNaO ₂ S	H310, H330, H373, H410, H300 P260, P280, P301+P310, P302+P350, P304+P340, P273	  
CAS: 54-64-8		
MW: 404.8		
EINECS: 200-210-4		
Assay (anhydrous)	>=97%	
Loss on drying	<=0.5%	
Melting Point	225°-236°C	
pH of 1% Aqueous Solution	6.0-7.4	

Recommended Storage: RT, protect from light, desiccate.

Transferrin From Guinea Pig
Golden-Tan Frozen Liquid

Packaging		Mfr. No
1 mg	AmberGlass	BP2544-1
5 mg	AmberGlass	BP2544-5
10 mg	AmberGlass	BP2544-10
Assay	≥98%	
Sterility	To pass test	

Applications: Transferrin is an iron binding protein that displays bacteriostatic and fungistatic characteristics.
Purified by affinity chromatography; sterile filtered; concentrated.
Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Vimentin
From Bovine Lens

packaging	Mfr. No
100 µg PolyMicroTube	BP2545-100
250 µg PolyMicroTube	BP2545-250
CAS: 156289-80-4	
MW: 57	

Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

5-Bromo-4-chloro-3-indolyl- β-D-galactopyranoside

packaging	Mfr. No
100 mg AmberGlass	BP1615-100
1 g AmberGlass	BP1615-1
C ₁₄ H ₁₅ BrClNO ₆	
CAS: 7240-90-6	
MW: 408.63	

IR	Conforms to standard
Molar Extinction (292±2nm)	>=4000ℓ g-1cm-1
Solubility (5% in DMF)	Clear and colorless
Specific Rotation (c=0.1, 50% DMF)	-60° ±4°
TLC	Single spot

Applications: X-Gal is a chromogenic substrate for the enzyme β-Galactosidase used in the detection of recombinant bacteriophage. It is also used for immunoblotting and immunocytochemical assays.
Recommended Storage: -20°C
Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Toluidine Blue O

packaging	Mfr. No
10 g AmberGlass	BP107-10
C ₁₅ H ₁₆ ClN ₃ S	H302
CAS: 92-31-9	P301+P312
MW: 305.82	



E ₁ % _{1cm}	>=700ℓ g-1cm-1
Lambda Absorption Max.	620-638nm
Loss on Drying (at 105°C)	<=10%
Solubility	To pass test

Applications: Nuclear stain that may be used as an alternative to Methylene Blue
Recommended storage: RT
C.I. 52040

Ethylene Glycol

packaging	Mfr. No
1 ℓ AmberGlass,EcoSafPak*	BP230-1
4 ℓ AmberGlass,EcoSafPak*	BP230-4
C ₂ H ₆ O ₂	H302
CAS: 107-21-1	P280, P301+P310
MW: 62.06	
EINECS: 203-473-3	



Assay	>=99%
Boiling Range	196°-199°C
Color (APHA)	<=10
Iron	<=5ppm
Titrateable Acid	0.002mEq/g
Water	<=0.5%

Applications: Due to its property as an antifreeze, Ethylene Glycol may be used for the storage of enzymes at low temperatures.
Recommended Storage: RT
EcoSafPak* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.

Acridine Orange Hemizinc Salt

packaging	Mfr. No
10 g AmberGlass	BP116-10
C ₁₇ H ₁₉ N ₃ .HCl.0.5ZnCl ₂	H341, H302, H312, H332
CAS: 10127-02-3	P280
MW: 369.94	
EINECS: 233-353-6	



E ₁ % _{1cm}	>=1100ℓ g-1cm-1
Lambda Max.	490nm ±2nm
Loss on Drying (at 105°C)	<=5%
Solubility	To pass test

Recommended storage: RT
C.I. 46005

Eosin Y
Disodium Salt

packaging	Mfr. No
25 g AmberGlass	BP2419-25
100 g AmberGlass	BP2419-100
C ₂₀ H ₆ Br ₄ Na ₂ O ₅	H319
CAS: 17372-87-1	P280, P305+P351+P338
MW: 691.85	
EINECS: 241-409-6	



Assay	>=88%
Certification as Biological Stain	To pass test

Applications: Eosin Y is used in microbiological differential media or as a biological stain.
Recommended Storage: RT
C.I. 45380

Fast Green FCF

packaging	Mfr. No
10 g AmberGlass	BP123-10
C ₃₇ H ₃₄ N ₂ Na ₂ O ₁₀ S ₃	H341
CAS: 2353-45-9	P201, P202, P281,
MW: 808.84	P308+P313
EINECS: 219-091-5	

Assay	>=90.0%
Lambda Max.	622nm ±2nm

Recommended storage: RT
C.I. 42053

Giemsa Stain
Crystalline

packaging	Mfr. No
5 g AmberGlass	BP2422-5
10 g AmberGlass	BP2422-10
C ₁₄ H ₁₄ ClN ₃ S	EINECS: 257-438-2
CAS: 51811-82-6	
MW: 291.80	

Certification as Biological Stain	To pass test
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Applications: Giemsa is a biological stain used for thin blood films to differentiate leukocytes, for staining malarial parasites in thin and thick blood films, and for staining bone marrow to show cell morphology.
Recommended Storage: RT